

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A method of inhibiting osteoclast-mediated bone resorption, comprising inhibiting an activity of a gene product encoded by osteoclast associated gene OC14, ~~wherein said osteoclast associated gene OC14 comprises~~ comprising the nucleotide sequence of SEQ ID NO: 50, ~~wherein said activity of a gene product encoded by OC14 is inhibited by~~ administering a compound that ~~inhibits the expression of said gene product, and wherein~~ decreases the activity of said gene product ~~is decreased~~ by at least 10% in the presence of said compound, as compared to the activity of said gene product in the absence of said compound, and wherein said compound is an antibody or an antisense polynucleotide.

2. - 26. (Cancelled)

27. (Previously Presented) The method of claim 1, wherein the activity of said gene product is decreased by at least 1.5-fold in the presence of said compound, as compared to the activity of said gene product in the absence of said compound.

28. (Previously Presented) The method of claim 1, wherein the activity of said gene product is decreased by at least 3-fold in the presence of said compound, as compared to the activity of said gene product in the absence of said compound.

29. (Previously Presented) The method of claim 1, wherein the activity of said gene product is decreased by at least 5-fold in the presence of said compound, as compared to the activity of said gene product in the absence of said compound.

30. (Cancelled)

31. (Previously Presented) The method of claim 1, wherein the activity of said gene product is decreased by at least 50% in the presence of said compound, as compared to the activity of said gene product in the absence of said compound.

32. (Previously Presented) The method of claim 1, wherein the activity of said gene product is decreased by at least 75% in the presence of said compound, as compared to the activity of said gene product in the absence of said compound.

33. (Previously Presented) The method of claim 1, wherein the activity of said gene product is decreased by at least 90% in the presence of said compound, as compared to the activity of said gene product in the absence of said compound.